GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A334 Grade 6

Standard Specification for Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A334 Grade 6 Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.300 max.
Manganese	Mn %	0.290 - 1.060
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.100 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	240 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	190 max.
Impact in Joule	18 @ -45˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K03006	UNS	USA	Steel
K03005	UNS	USA	Steel
A 49-400 TS E 250 Class 1	AFNOR NF	France	Tubing
A 49-241 TS E 250 B	AFNOR NF	France	Pipe and Tubing
SA-333 Grade 6	ASME	USA	Pipe
A 333 Grade 6	ASTM	USA	Pipe
A 556 Grade C2	ASTM	USA	Tubing

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.